

AORUS MASTER 16

AM6H



OWN THE GAME

AORUS AI GAMING LAPTOP



GEFORCE
RTX

Powering Advanced AI

Exclusive GIGABYTE Control Center with True Power of AI



LLM
Support

GiMATE
Your Smart
AI Mate



Performance



Privacy



Power



Voice



Audio



Smart Cooling

Best-In-Class Thermal Power



Windforce Infinity
EX Cooling



158 Blades
12V Dual-fans



Lateral Housing
(Airflow Recovery
With Patented)



Noise-cancelling
Design



3D VortX
Air-channeling



Vapor Chamber
2 Heatpipes



Icy Touch
Design
& OdB Cooling

Best Visual & Audio Experience



16" 16:10
OLED Display



Smooth
Gameplay



Vivid
Color Gamut



1,000,000:1
Contrast Ratio



4 X Speaker
With
Smart AMP



Immersive E Effects



Color
Accuracy



Brightness 500 nits
VESA Display
HDR True Black 500 Cert.

*Specifications are subject to change without notice. GIGABYTE cannot be responsible for errors and omissions in typography or photography.

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PRODUCT GALLERY

MASTER



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**The size and weight of the laptop may vary according to the configuration, manufacturing process and measurement method, please refer to the actual situation.

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PRODUCT SPECIFICATIONS

MODEL	AORUS MASTER 16 BZH	AORUS MASTER 16 BYH	AORUS MASTER 16 BXH
PROJECT NAME	AM6BZH	AM6BYH	AM6BXH
PROCESSOR OPTIONS	Intel® Core™ Ultra 9 Processor 275HX (Up to 5.4 GHz, 24cores : 8 P-Cores, 16 E-Cores)		
Operating System	Windows 11		
GRAPHICS	NVIDIA® GeForce RTX™ 5090 Laptop GPU 24GB GDDR7 Max. TGP 175W 1824 AI TOPS (with Dynamic Boosts)	NVIDIA® GeForce RTX™ 5080 Laptop GPU 16GB GDDR7 Max. TGP 175W 1334 AI TOPS (with Dynamic Boosts)	NVIDIA® GeForce RTX™ 5070 Ti Laptop GPU 12GB GDDR7 Max. TGP 140W 992 AI TOPS (with Dynamic Boosts)
Thermal Capacity	Support NVIDIA Advanced Optimus: DDS. G-SYNC 230W		
DISPLAY	16" 16:10 WQXGA 2560x1600 OLED 240Hz Display (1ms, DCI-P3 100%, 500 nits, 1,000,000:1 Contrast ratio, Pantone® Validated, TÜV Rheinland-certified, Dolby Vision®, VESA DisplayHDR™ True Black 500)		
SYSTEM MEMORY	2x DDR5 Slots (Up to 64GB, DDR5 5600MHz)		
STORAGE OPTIONS	2x M.2 SSD slots (1x slot support PCIe Gen5, 1x slots support PCIe Gen4x4, Up to 4TB)		
I/O PORT	2 x Type-A support USB3.2 Gen2 1 x Type-C with Thunderbolt™ 5* (support USB4, DisplayPort™ 2.1 and Power Delivery 3.0) 1 x Type-C with Thunderbolt™ 4 (support USB4, DisplayPort™ 1.4 and Power Delivery 3.0) 1 x HDMI 2.1 1 x MicroSD (UHS-II) 1 x Audio Jack support mic / headphone combo 1 x DC in 1 x RJ-45		
AUDIO & SPEAKERS	4x 2W Speaker, Microphone, Dolby Atmos® with Smart AMP		
KEYBOARD	3-Zone RGB Backlit Keyboard, Up to 1.7mm Key-travel (Support N-Key)		
COMMUNICATIONS	Wi-Fi: Intel® Wi-Fi 7 Wireless (802.11be 2x2) LAN: 1G Bluetooth: Bluetooth® V5.4		
WEBCAM	FHD (1080p) IR Camera for Windows Hello, Build-in array Microphone		
POWER SUPPLY	330W AC Adapter		
BATTERY	Li Polymer 99Wh		
COLOR	Dark Tide		
CONSTRUCTION	Aluminum with anti-finger coated in cover		
BUILT-IN APPS	GiMATE		
DIMENSIONS	35.7(W) x 25.4(D) x 2.3~2.9(H) cm / 14.05 (W) x 10.0 (D) x 0.90~1.14(H) inch		
WEIGHT	~2.5 kg (w/Battery, M.2 SSD, RAM*2) / ~5.51 lb		

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